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APR 2005**CLAIMS**

1. A method of collecting water from the atmosphere, said method including:

arranging in an enclosed space a plurality of condenser members upon which moisture can condense;

exposing said enclosed space to said atmosphere;

providing flow means for increasing flow of air from said atmosphere through said enclosed space such that moisture in said atmosphere will condense upon said condenser members; and

providing collection means for collecting thus condensed said moisture.

2. An apparatus for collecting water from the atmosphere, said apparatus including:

a body defining an enclosed space;

a plurality of downwardly angled condenser members within said enclosed space upon which moisture can condense, said enclosed space communicating with said atmosphere;

flow means for increasing flow of air from said atmosphere through said enclosed space; and

collection means for collecting thus condensed said moisture.

3. An apparatus as defined in Claim 1 wherein said flow means is provided by an air exhaust extraction system.
4. An apparatus as defined in Claim 3 wherein exhaustion of said air is undertaken at or near the base of said apparatus.
5. An apparatus as defined in Claim 3 or Claim 4 wherein said air exhaust extraction system includes one or more extractor fans.
6. An apparatus as defined in Claim 5 wherein said one or more extractor fans is powered directly by solar cells.
7. An apparatus as defined in Claim 5 wherein said one or more extractor fans is powered from batteries charged by solar cells.
8. An apparatus as defined in Claim 5 wherein said one or more extractor fans is powered by mains power.
9. An apparatus as defined in any one of Claims 5 to 8 which includes a control means to increase said flow of air as the humidity of said air from said atmosphere decreases.
10. An apparatus as defined in Claim 9 wherein said control means functions automatically.
11. An apparatus as defined in Claim 9 or Claim 10 wherein said control means includes one or more switches which activate at least one of

said one or more extractor fans as the humidity of said air from said atmosphere decreases.

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12. An apparatus as defined in any one of Claims 9 to 11 wherein said control means is associated with a temperature sensing means such that said control means is not activated if the temperature of said air from said atmosphere is above a preset limit.
13. An apparatus as defined in any one of Claims 2 to 12 wherein a circulation means is provided for circulating cold air exterior and/or interior to said apparatus.
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14. An apparatus as defined in Claim 13 wherein said cold air is provided by an air-conditioning unit.
15. An apparatus as defined in Claim 13 or Claim 14 wherein said cold air is provided through a closed circuit system.
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16. An apparatus as defined in Claim 15 wherein said closed circuit system includes air ducts.
17. An apparatus as defined in Claim 16 wherein said air ducts include a heat exchange means.
18. An apparatus as defined in Claim 17 wherein said heat exchange means includes fins.
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19. An apparatus as defined in any one of Claims 13 to 18 wherein said circulation means is powered directly or indirectly by solar cells.

20. An apparatus as defined in any one of Claims 13 to 18 wherein said circulation means is powered by mains power.
21. An apparatus as defined in Claim 2 wherein said flow means includes a pressure means to alter pressure within said apparatus to increase said flow of air.
22. An apparatus as defined in Claim 21 wherein said pressure means includes a venturi.
23. An apparatus as defined in any one of Claims 2 to 22 wherein said body is of a substantially upright tank-like configuration when said apparatus is in use.
24. An apparatus as defined in any one of Claims 2 to 22 wherein said body is of a substantially inclined configuration when said apparatus is in use.
25. An apparatus as defined in any one of Claims 2 to 24 wherein said condenser members are arranged in rows.
26. An apparatus as defined in Claim 25 wherein said condenser members in one of said rows are arranged in an opposite inclination to the condenser members in another adjacent row of said rows, the space between said one row and said adjacent row defining a passage through which said thus condensed said moisture can flow.

27. An apparatus as defined in Claim 25 or Claim 26 wherein said rows are concentric.

28. An apparatus for collecting water from the atmosphere, said apparatus including:

5 a body defining an enclosed space;

a plurality of downwardly angled condenser members within said enclosed space upon which moisture can condense, said enclosed space communicating with said atmosphere; and

collection means for collecting thus condensed said moisture.

10 29. An apparatus as defined in Claim 28 wherein each of said condenser members is of a conical configuration.

30. An apparatus as defined in Claim 28 wherein each of said condenser members is of a frusto-conical configuration.

15 31. An apparatus as defined in Claim 28 wherein each of said condenser member is of circular cross-section.

32. An apparatus as defined in Claim 28 wherein each of said condenser members is of rectangular cross-section.

20 33. An apparatus as defined in any one of Claims 28 to 32 wherein said condenser members are supported at spaced apart positions along respective central support members.

34. An apparatus as defined in Claim 33 wherein each of said support members is hollow to define a flow passage through which said condensed moisture can pass for subsequent collection.

5 35. An apparatus as defined in any one of Claims 28 to 34 wherein each of said condenser members are downwardly angled 45 degrees.

36. An apparatus for collecting water from the atmosphere, said apparatus including:

10 an elongated chamber defining an enclosed space, said elongated chamber being inclined to the horizontal when said apparatus is in use;

a plurality of condenser members upon which moisture can condense within said enclosed space;

an air inlet and an air outlet communicating said chamber with said atmosphere; and

15 collection means at one end of said chamber for collecting condensed said moisture.

37. An apparatus as defined in Claim 36 wherein cooling means are provided to cool said chamber.

20 38. An apparatus as defined in Claim 36 or Claim 37 wherein cooling means are also provided to cool said condenser members.

39. An apparatus as defined in Claim 37 or Claim 38 wherein each said cooling means include cold air tubes within said chamber.
40. An apparatus as defined in Claim 39 wherein said cold air tubes are located adjacent to said condenser members.
- 5 41. An apparatus as defined in Claim 39 or Claim 40 wherein cold air is supplied to said cold air tubes by an air-conditioning unit.
42. An apparatus as defined in Claim 41 wherein said cold air is provided through a closed circuit system.
- 10 43. An apparatus as defined in any one of Claims 2 to 42 wherein said condenser members are coated with zircon, zeolite or a similar hydrophilic material.